

10/582407

AP20866/PCT/PTO 09 JUN 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

George GRUNER

Application No. To Be Assigned
(National Phase of PCT/US2004/043179)

Filed: Concurrently

For: ACTIVE ELECTRONIC DEVICES
WITH NANOWIRE COMPOSITE
COMPONENTS

Art Unit: To Be Assigned

Examiner: To Be Assigned

Atty. Docket No. 58086-232072

Customer No.

26694

PATENT TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08A that were cited in an International Search Report in connection with the counterpart International Application PCT/US2004/043179. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

Copies of the documents are not being provided since copies are furnished directly by WIPO under an exchange program between the PTO, the EPO and the JPO.

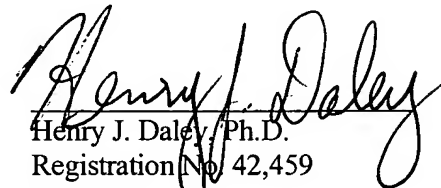
If the copies were not furnished and a copy of a cited document is desired, please inform the undersigned and a copy of the missing document will be supplied.

It is believed that no fee is due for the submission of this Information Disclosure Statement. However, if any additional fee is required, please charge any necessary fee or credit any overpayment in connection with this Information Disclosure Statement to Deposit Account No. 22-0261.

Respectfully submitted,

Date:

June 9, 2006



Henry J. Daley, Ph.D.
Registration No. 42,459
VENABLE LLP
P.O. Box 34385
Washington, D.C. 20043-9998
Telephone: (202) 344-4000
Telefax: (202) 344-8300

DC2/DOCS1/758511

Substitute for form 1449A/B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/582407
				Filing Date	Concurrently
				First Named Inventor	George GRUNER
				Art Unit	To Be Assigned
				Examiner Name	To Be Assigned
Sheet	1	of	1	Attorney Docket Number	58086.232072

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA				
	AB				
	AC				

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	BA	WO 02/088025 A	11/07/2002	NEW YORK UNIVERSITY		
	BB					
	BC					

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T ²
	CA	KYMAKIS E. et al., "Single-Wall Carbon Nanotube/Conjugated Polymer Photovoltaic Devices", APPLIED PHYSICS LETTERS, Vol. 80, No. 1, January 7, 2002, pp. 112-114.				
	CB	VARADAN V. K., "Three Dimensional Polymer Memes with Functionalized Carbon Nanotubes and Modified Organic Electronics", NANOTECHNOLOGY, 2003, Vol. 1, August 12, 2003, pp. 212-215.				
	CC	CURRAN S. A. et al., "A Composite From Poly(M-Phenylenevinylene-Co-2, 5-Dioctoxy-P - Phenylenevinylene) and Carbon Nanotubes: A Novel Material for Molecular Optoelectronics", Advanced Materials, Vol. 10, No. 14, October 1, 1998, pp. 1091-1093.				
	CD	RAMAMURTHY P. C. et al., "Polyaniline / Single-Walled Carbon Nanotube Composite Electronic Device", SEMICONDUCTOR DEVICE RESEARCH SYMPOSIUM, December 10, 2003, pp. 208-209.				
	CE	ZHOU C. et al., "Modulated Chemical Doping of Individual Carbon Nanotubes", SCIENCE, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, Vol. 290, No. 5496, November 24, 2000, pp. 1552-1555.				
	CF	ROMERO D. B. et al., "A Carbon Nanotube/Organic Semiconductor Polymer Heterojunction", ADVANCED MATERIALS, Vol. 8, No. 11, November 1996, pp. 899-902.				
	CG	CZERW R. et al., "Tailoring Hole Transport and Color Tunability in Organic Light Emitting Devices Using Single Wall Carbon Nanotubes", PROCEEDINGS OF THE SPIE, Vol. 4590, November 2001, pp. 153-161.				

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--